Data Sheet
FUJITSU Server PRIMERGY TX100 S3p Tower Server

Enter the world of PRIMERGY TX servers

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

Perfect for small and medium businesses as well as branch offices, FUJITSU Server PRIMERGY TX tower systems are robust and cost-efficient servers by providing rock solid reliability. Additionally they are characterized by simple IT operations, low power consumption and quiet operation so that they can be handled by non-technically trained staff and can be used in standard office environments. By the way: Almost all PRIMERGY TX servers can be rack-mounted to offer best flexibility.

PRIMERGY TX100 S3p

The Fujitsu Server PRIMERGY TX100 S3p is ideal for SMEs, looking for a first server with Intel® Xeon® support. With a maximum of 32 GB of RAM, and excellent processor performance, it offers more than enough performance for all classic server tasks, such as file, print, web or office applications. The dual onboard gigabit LAN, makes it easier to do business 24x7. Moreover, the TX100 S3p is incredibly silent making it an excellent choice for any office environment. With its optional 0-Watt functionality and a choice of two highly efficient power supply units, the TX100 S3p minimizes costs and the environmental impact.

Features & Benefits

Main Features	Benefits
■ An excellent first server for SMEs looking for Intel® Xeon® support and up to 32 GB of RAM	■ Great price-performance ratio - ideal for all classic server tasks like file, print, web or office applications
■ Choose between a power supply unit (PSU) with 85% efficiency or with 94% energy efficiency and 0-Watt functionality	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize the environmental impact
■ Effective air flow design for low noise levels	■ Silent system for an ergonomic working environment
■ Dual onboard gigabit LAN, ECC memory and optional SATA RAID 5/6 with FBU	■ Keep business processes going - 24x7
■ Halogen-free printed circuit board	■ For environmentally friendly waste disposal

Technical details

PRIMERGY TX100 S3p		
Base unit	PRIMERGY TX100 S3p Standard PSU	PRIMERGY TX100 S3p 0 Watt PSU
Housing types	Tower	Tower
Storage drive architecture	4x 3.5-inch SATA	4x 3.5-inch SATA
Power supply	Standard	Standard (0-Watt)

Mainboard	
Mainboard type	D 3009
Chipset	Intel® C202
Processor quantity and type	1 x Intel® Celeron® processor / Intel® Pentium® processor / Intel® Core™ i3 processor / Intel® Xeon® processor E3-1200v2 product family
Processor	Intel® Celeron® processor G1610 (2C/2T, 2.60 GHz, TLC: 2 MB, Turbo: No, 1,333 MHz, 55 W)
	Intel® Core™ i3-3220 processor (2C/4T, 3.30 GHz, TLC: 3 MB, Turbo: No, 1,600 MHz, 55 W)
	Intel® Pentium® processor G2120 (2C/2T, 3.10 GHz, TLC: 3 MB, Turbo: No, 1,600 MHz, 55 W)
	Intel® Xeon® processor E3-1220v2 (4C/4T, 3.10 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)
	Intel® Xeon® processor E3-1230v2 (4C/8T, 3.30 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)
	Intel® Xeon® processor E3-1240v2 (4C/8T, 3.40 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 69 W)
Memory slots	4
Memory slot type	DIMM (DDR3)
Memory capacity (min. - max.)	2 GB - 32 GB
Memory protection	ECC
Memory options	4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank
	8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank
Memory modules notes	Only UDIMM (unbuffered) supported

Interfaces	
USB 2.0 ports	9 (2x front, 6x rear, 1x internal for backup device)
Graphics (15-pin)	1 x VGA (ATI ES1000 (64MB) on board)
Serial 1 (9-pin)	1 x RS232
LAN / Ethernet (RJ-45)	2 x Gbit/s Ethernet

I/O controller on board	
Serial ATA total	6
RAID controller	4 port SATA with RAID 0/1/10 for HDDs
SATA Controller	Intel® C202
LAN Controller	Intel® 82574L + Intel® 82579LM onboard, 2 x 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported
Trusted Platform Module (TPM)	Infineon / 1.2 (option)

Slots	
PCI-Express 3.0 x8	1 x
PCI-Express 3.0 x8 (mech. x16)	1 x
PCI-Express 2.0 x1 (mech. x4)	1 x notched for x16 cards
PCI-Express 2.0 x4	1 x notched for x16 cards
Slot Notes	In configurations with Intel® Core™ i3 or Intel® Pentium® processors slots are operated with PCI-Express 2.0.

Drive bays	
Storage drive bay configuration	4x 3.5" easy change SATA
Notes accessible drives	2 (1 bay is occupied by DVD/DVD-RW, 3.5-inch)
General software information	
Fan configuration	Silent system fans
Fan notes	Non hot-plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server R2 2012 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Server® 2012 R2 Essentials Microsoft® Windows Server® 2012 R2 Foundation Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard Microsoft® Windows Server® 2012 Essentials Microsoft® Windows Server® 2012 Foundation Microsoft® Windows Storage Server 2012 Standard Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Datacenter Microsoft® Windows Server® 2008 R2 Enterprise Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Foundation Microsoft® Windows® Web Server 2008 R2 Microsoft® Windows® Small Business Server 2011 Premium Add-On Microsoft® Windows® Small Business Server Standard 2011 Microsoft® Windows® Server 2008 Enterprise Microsoft® Windows® Server 2008 Standard SUSE® Linux Enterprise Server 12 SUSE® Linux Enterprise Server 11 SUSE® Linux Enterprise Server 10 Red Hat® Enterprise Linux 6 Red Hat® Enterprise Linux 5
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	Support of other Linux derivatives on demand Red Hat® certification starting with version 5.8 / 6.4.
Server Management	
Standard	ServerView Suite - Deploy SV Installation Manager
Option	ServerView Suite - Deploy SV Deployment Manager (full version) ServerView Suite - Integrate SV Integration pack for Fujitsu ManageNow® solution
Server Management notes	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.
Dimensions / Weight	
Floor-stand (W x D x H)	175 x 419 x 395 mm
Weight	up to 14 kg

Environmental	
Operating ambient temperature	10 - 35 °C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296
Sound pressure (LpAm)	23 dB(A) (idle)/ 24 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	4.0B (idle)/ 4.0B (operating)
Noise notes	Noise emissions and operation modes depend on system configuration.

Electrical values	
Power supply configuration	1
Power supply efficiency	85 % (80 PLUS bronze) 94 % (80 PLUS platinum)
Standard power supply output	250 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	100 V – 240 V / 5.0 – 2.5 A
Rated current in basic configuration	100 V – 240 V / 1,5 – 0,6 A
Active power (min. configuration)	22 W
Active power (max. configuration)	209 W
Active power note	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/
Apparent power (max. configuration)	211 VA
Heat emission	752.4 kJ/h (713.1 BTU/h)
Power Supply Notes	Fujitsu patented 0-Watt standby technology (optional).

Compliance	
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Germany	GS
Europe	CE Class A *
USA/Canada	CSA us ULc/us FCC Class A
Japan	VCCI Class A
South Korea	KC
China	CCC
Australia/New Zealand	C-Tick (AS / NZS CISPR 22 Class A)
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Components

Storage drives	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
Backup Drives	DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0
	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
Optical drives	Blu-ray Disc™ Triple Writer, (6x BD-ROM ; 8x DVD; 24x CD), slimline, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
RAID Controller	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 5/6 512MB (D2616), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, Optional BBU for selected systems (based on LSI SAS2108)
	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116C), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
	RAID 5/6 Ctrl., SAS/SATA 6 Gbit/s, Fujitsu RAID Ctrl SAS 6G 1GB (D3116), 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 1 GB, Optional FBU (based on LSI SAS2208)
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 (Intel®)
	Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 (Fujitsu)
Graphics add on cards	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA

Warranty	
Standard Warranty	1 year
Service level	Onsite Service (depending on country)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM
Maintenance and Support Services - the perfect extension	
Support Pack Options	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY TX100 S3p, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX100 S3p, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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